

ROSECO

UN2-5088

... CONCRE

PRECAST M

WALTER E.

Sales Engineer

417 - 88 3-0390

DIVISION STREET AT
THE FRISCO YARDS
SPRINGFIELD, MISSOURI

BILLY J. WATKINS

SH 2-2066 Plant Manager

Monica,
please file
in misc. file
by ST. Address,
2169 E. BLAINE

BLAINE + YATES

REPAIR TO HEADWALL OF
CONCRETE CULVERT -

1 SACK OF CEMENT	-	\$ 1.85
2 TON OF SAND	-	1.00
L. BAKER 3 HRS -	-	10.61
N. CROSS 3 HRS -	-	10.10
TR-17 - 12 MILE -	-	1.68

TOTAL

25.24

NARRATIVE SUMMARY
Re: OIL SPILL 10-17-72

On Tuesday, October 17, 1972, about 09:00, a tractor-trailer unit hauling MC-30 prime oil bound for Hartville, Missouri (State of Missouri storage) overturned attempting to turn north on North Yates Avenue from westbound on East Blaine Street. The tractor-trailer unit is the property of Hub Propane and Oil Company of Mt. Vernon, Missouri. The trailer had an estimated capacity of 6,000 gallons and probably had about 5,500 gallons on board. City of Springfield Police responded to the call and called City Health and Pollution Control personnel. Harold Bengsch and Bob Wilson, Health Department, and Harry Criswell, Sanitary Services, arrived at the accident scene shortly after 09:30. The Missouri Clean Water Commission was notified and Mr. H. E. Lampe, Director of Public Works, was called to the area. When the wreckers finally righted the trailer an estimated 4,500 gallons had been spilled. There was also some damage to the culvert.

The site of the spill, as indicated by the map attached, is directly on the head waters of the North Branch of Jordan Creek of immediate concern was the protection of a private lake, approximately 62,000 square feet surface area, located on the northwest corner of Blaine and Yates. While a call for assistance was being put through to personnel from Streets and Alley Maintenance, Bob Wilson and Harry Criswell erected a temporary dirt restraining dike at the entrance to the lake. Apparently this was sufficient to protect the lake as periodic inspection throughout the day seemed to indicate no oil had entered it.

Buel Henderson and Louis Cox, both Supervisors of Street Maintenance, arrived in the meantime and City dump trucks began to arrive with dirt. A large entrapment dike was erected downstream, just ahead of the progress of the oil. The location was about 1035 feet from the spill, as measured by two employees of Wickizer Engineering who happened to be in the area. This measurement was done at the request and for the convenience of an agent of the Missouri Conservation Commission, *George Manville*.

A third dike was put up about 300 feet above the location of the spill. This was done to prevent more water from draining into the spill area. An additional precautionary dike was erected about 250 feet below the point where the second dike had halted the oil flow to guard against its possible failure. The locations are shown on the attached map, which is marked as follows:

- Yellow- Shows the path of the main drainage tributary to the North Branch of Jordan Creek. Also shows the location of the private lake.
- Green- Shows the approximate locations of the four restraining dikes erected to entrap the oil.
- Red Spot- Shows the approximate location of the spill.
- Red Solid Line- Shows the path followed by the oil up to the approximate

2500 E. BLAINE

location of the second dike.

Red Dotted

Line- Shows the path of a small portion of the oil pushed over the second dike during the cleaning operation, up to the approximate location of the fourth dike.

Red Double

Lines- Show where residual oil left after cleanup was carried by stormwater and deposited along the banks of the stream.

After the entrapment dikes were built, the trucks began to haul in sawdust to absorb the oil. A number of bales of hay were brought in later for the same purpose. Limited cleanup began about 10:30 with the use of a backhoe, City equipment number SP-61. Cleaning started with the channel along the west side of Yates Avenue adjacent to the lake, while hauling of sawdust continued.

When it was determined that a small Caterpillar owned by the City would be totally inoperative, like equipment was rented from McBride-Journagan Construction, Inc. The equipment and their operator arrived at about 15:00 and began major cleaning of the waterway. A copy of their invoice is attached to this report.

The cleanup operation ultimately involved seventeen pieces of equipment and twenty-eight personnel from the City of Springfield. Also attached to this report are the job order forms filled out by Louis Cox and Buel Henderson, detailing personnel and equipment usage. Two things should be noted. First, a number of employees worked overtime on 10-17-72. The amount shown for personal services reflects straight pay rate, not one and one-half for overtime. Second, the job order forms do not include the employees from the Health Department nor from Sanitary Services. In a further attachment to this report I have included a list of all employees involved, the hours for each, the overtime hours, pay for eight hours, and pay at one and one-half hourly for the overtime. Also, there is a list of all vehicles involved with the cost for each shown. Also shown on the original Job Order Forms is the cost for materials. In all, forty loads of sawdust and seventy-five bales of straw were used.

The cleanup operation continued steadily in spite of scattered showers. By late evening, occasional heavy rain began to slow the operation slightly. The work was essentially complete when a torrential downpour began about 02:00 on 10-18-72. Best estimates available indicate an efficiency of close to ninety-nine per cent cleanup. A large part of the credit for such an outstanding accomplishment is due to the hard work and determination of Buel Henderson and Louis Cox and their crews. Without these cleanup efforts the amount of oil spilled could have been a major detriment to the aquatic life in many miles of waterway.

Respectfully submitted,

Charles H. Criswell
Chemist and Aquatic Biologist
Industrial Waste Surveillance & Enforcement

CITY OF SPRINGFIELD, MISSOURI
DEPARTMENT OF PUBLIC WORKS

JOB ORDER

17
10-18-72

Code 310-5

Division PUBLIC WORKS Section 11-6604

WORK DESIRED
Location and Description

CLEAN OUT OF DRAINAGE DITCH

BLAINE & YATES

Requested by James Corp Date _____

PERSONAL SERVICES

EMPLOYEE	HOURS	RATE	AMOUNT
I. WYLAND	10		35.38
E. BARKER	16		59.54
L. SHEPARD	15		53.06
L. SMITH	10		26.60
B. FOSTER	15		50.51
B. SMITH	16		55.66
L. WILSON	15		45.84
DUNN	10		35.38
TATE	10		35.38
TOTAL			

EQUIPMENT

UNIT	MILES	HOURS	RATE	AMOUNT
72-43 IN 23291 CUT 23102	129			18.06
59.76 HOUR METER OUT OF ORDER		2		9.00
72-29 IN 67228 CUT 67122	106			14.84
72-39 IN 33894 CUT 33894	85			11.90
72-10 IN 67634 CUT 67634	49			6.86
72-40 IN 26927 CUT 26927	47			6.58
72-25 IN 56236 CUT 56152	84			11.76
72-38 IN 29988 CUT 29988	108			15.19
TOTAL				

MATERIALS

QUANTITY	ITEM	PRICE	AMOUNT
40	BOARDS OF SAWDUST		400.00
75	BALES OF STRAW		63.75

COST SUMMARY

PERSONAL SERVICES	EQUIPMENT	MATERIALS	TOTAL DIRECT COST	OVERHEAD	TOTAL
730.75	174.26	463.75	1358.76		
PERFORMANCE					
UNIT 1500 LIN. FT					
QUANTITY					
UNIT COST 9.05					
DATE STARTED _____					
DATE COMPLETED _____					

105 ORDER

[illegible]

CLENN oil out of drainage ditch.

Requested by _____ Date _____

PERSONAL SERVICES

EMPLOYEE	HOURS	RATE	AMOUNT
W. HARRIS	8		32.83
T. MAXWELL	8		34.45
G. RICE	8		29.77
J. FETTER HORA	8		21.28
R. LEAVER	8		34.45
P. BOUSMAN	2		7.06
L. COOPER	15		45.24
T. MELTON	6		24.63
R. TOWNE	6		17.49
TOTAL			

EQUIPMENT

	UNIT	MILES	HOURS	RATE	AMOUNT
72-47	IN 4712 OUT 4619	93			13.08
72-26	IN 52888 OUT 52192	96			13.44
72-2	IN 70863 OUT 70861	62			8.68
SP.61	NEW R METER OUT ORDER		15		45.00
TOTAL					-

MATERIALS

[illegible]

COST SUMMARY

PERSONAL SERVICES	EQUIPMENT	MATERIALS	TOTAL DIRECT COST	OVERHEAD	TOTAL

PERFORMANCE

UNIT

QUANTITY

UNIT COST

DATE STARTED _____

DATE COMPLETED

DEPARTMENT OF PUBLIC WORKS

Date 10-17-72

Code 310.5

Division Public Works Section 11-6604

Location and Description

CLEAN OUT OF DRAINAGE DITCH
BLADINE & WATERS

Requested by

Date _____

EMPLOYEE

HOURS

七

AMOUNT

James G. [unclear]

18

10
 11
 12
 13
 14

310.5

TOTAL

UNIT

MILES

HOURS

RATE

AMOUNT

TOTAL

QUANTITY

ITEH

PRICE

AMOUNT

PERSONAL
SERVICES

EQUIPMENT

MATERIALS

TOTAL
DIRECT COST

OVERHEAD

TOTAL

PERFORMANCE

UNIT

DATE STARTED

QUANTITY

DATE COMPLETED

UNIT COST

CITY OF SPRINGFIELD, MISSOURI
DEPARTMENT OF PUBLIC WORKS

JOB ORDER

Date 10-17-79 Code X

Division St. Louis Section 11-6604

WORK DESIRED
Location and Description

Requested by Y Date X

PERSONAL SERVICES

EMPLOYEE	HOURS	RATE	AMOUNT
<i>B. H. H. H.</i>			
<i>310-5</i>	<i>18</i>		<i>89.91</i>
TOTAL			

EQUIPMENT

UNIT	MILES	HOURS	RATE	AMOUNT
<i>7-1-46</i>				
<i>20490</i>				
<i>20430</i>				
<i>310-5</i>	<i>60</i>			<i>4.80</i>
TOTAL				

MATERIALS

QUANTITY	ITEM	PRICE	AMOUNT

COST SUMMARY

PERSONAL SERVICES	EQUIPMENT	MATERIALS	TOTAL DIRECT COST	OVERHEAD	TOTAL
<i>89.91</i>	<i>4.80</i>		<i>94.71</i>		
PERFORMANCE					
UNIT	DATE STARTED				
QUANTITY	DATE COMPLETED				
UNIT COST					

CITY OF SPRINGFIELD, MISSOURI
DEPARTMENT OF PUBLIC WORKS

JOB ORDER

10-18-72 Code 310.5

Division Public Works Section 11-6604

WORK DESIRED
Location and Description

11-11-72 CLEAN OUT OF DRAINAGE DITCH.

BLAINE & YATES

Requested by James Coy Date _____

PERSONAL SERVICES

EMPLOYEE	HOURS	RATE	AMOUNT
E. BRAKE	8		29.77
L. SHEPARD	8		28.30
L. WILSON	8		24.45
L. COOPER	8		24.45
E. NEWMAN	8		25.70
J. FOSTER	8		26.94
TOTAL			

EQUIPMENT

UNIT	MILES	HOURS	RATE	AMOUNT
72-43 IN 23353	62			8.18
OUT 23291				
72-29 IN 69285	57			7.98
OUT 69228				
50-23 IN 11431		3		13.50
OUT 11428				
SP-14 IN 961		4		8.00
OUT 957				
TOTAL				

MATERIALS

QUANTITY	ITEM	PRICE	AMOUNT

COST SUMMARY

PERSONAL SERVICES	EQUIPMENT	MATERIALS	TOTAL DIRECT COST	OVERHEAD	TOTAL
159.61	32.16		191.77		

PERFORMANCE

UNIT 10005 8	DATE STARTED _____
QUANTITY	DATE COMPLETED _____
UNIT COST 24.73	

15.29

ROUTED		Type Hwy. No. Log.	
CARD	CODE	City. Pop.	
FAT. NO.	INJ. NO.	County ACC Type	

ACCIDENT CLASSIFICATION ☒ Property Damage No. Killed _____ No. Injured _____ No. of Vehicles Involved 1

TIME Date of Accident - Mo./Day/Year 10-17-72 Day of Week Tuesday Hour 2:47 P.M. Standard Time Daylight Savings Time

FEDERAL ROUTE ☐ STATE ROUTE ☐ COUNTY ROAD ☐ MUNICIPAL ☒ PRIVATE PROPERTY ☐

County Greene Give Name of City, Village or Township Springfield Log Point _____

On Blaine Speed Limit 30 At Y-100 Speed Limit 30

if not at intersection Feet or Miles N S E W of _____ Nearest Intersecting Street or Highway, Mile Post or Landmark _____

ACCIDENT INVOLVED ☐ Pedestrian ☐ Other Motor Vehicle ☐ R. R. Train ☐ Street Car ☐ Animal-Drawn Vehicle ☐ Bicycle ☐ Fixed Object ☐ Animal (Ridden, Unattended) ☒ Overtaken In Roadway ☐ Ran Off Roadway ☐ Other Non-Collision (Fell From Veh., etc.)

VEHICLE 1

Driver Eddie L. Campbell Age 38 DRIVER INFORMATION Date of Birth 6-2-44 Sex ☒ Male W Female Race _____

Address REDT, Mont Vernon City MO State MO Mo. Day Yr. _____

Owner Hubb Propawer Oil Co State of License ☒ Mo. State ☐ Other ☐ Unlicensed ☐ Learners ☐ Operators ☒ Chauffers

Address MT Vernon City MO State MO Driver's License Number 6-1-6235-3431-5264

Vehicle Year 1972 Make White Model Tractor Trailer Style (Sedan, Bus, Truck, etc.) _____

Vehicle Inspection No. 109149 License Plate No. 451-907 State MO Year 72 Going On: Blaine (Street Name, Highway No., Alley, etc.)

Vehicle Damaged (Code) 4-5 Vehicle Towed ☒ Yes ☐ No By Whom? Springfield Auto Loans Where To? Same

VEHICLE 2

Driver _____ Age _____ DRIVER INFORMATION Date of Birth _____ Sex ☐ Male ☐ Female Race _____

Address _____ City _____ State _____ Mo. Day Yr. _____

Owner _____ State of License ☐ Mo. State ☐ Other ☐ Unlicensed ☐ Learners ☐ Operators ☐ Chauffers

Address _____ City _____ State _____ Driver's License Number _____

Vehicle Year _____ Make _____ Model _____ Style (Sedan, Bus, Truck, etc.) _____

Vehicle Inspection No. _____ License Plate No. _____ State _____ Year _____ Going On: _____ (Street Name, Highway No., Alley, etc.)

Vehicle Damaged (Code) _____ Vehicle Towed ☐ Yes ☐ No By Whom? _____ Where to? _____

DAMAGE TO PROPERTY OTHER THAN VEHICLES

KILLED OR INJURED	Name Object, Show Ownership, and State Nature and Amount of Damage										
	Name	Address	Witness	Age	Sex	Car No.	Seat Loc	Inj.	Ejection	Seat Belt	Phone

CODES	SEAT LOCATION	INJURY	SEAT BELT	EJECTION	VEHICLE DAMAGE
	XX - Not Known SV - Occupant - Special Vehicle P - Pedestrian B - Bicyclist	1. Fatal 2. Disabling 3. Evident (Non Disabling) 4. Probable - Not Apparent 5. None Apparent 6. Unknown	A. None B. Not Used C. Used D. Harness E. Use Unknown F. Belt - Failure	1. No 2. Partially 3. Totally 4. Unknown	2 3 4 5 6 7 15 16 17 14 13 12 11 10 9 18 - Undercarriage 19 - Windshield

McBRIDE-JOURNAGAN CONSTRUCTION EQUIPMENT, INC.

RFD 10, BOX 372-B - EAST KEARNEY STREET ROAD

SPRINGFIELD, MISSOURI 65803

TELEPHONE 417 - 866-5240

INVOICE

INVOICE NO.

0125

SOLD TO

CITY OF SPRINGFIELD

803 BOONVILLE

SPRINGFIELD, MO. 65803

SHIPPED TO

THE SAME

ORDER NO.	SALESMAN	TERMS	SHIPPED VIA	PAID	COLL.
10-17-72	JEM	Cash			

QUANTITY	DESCRIPTION	PRICE	AMOUNT
11	H _o urs of rental on tractor and operator at \$20.00 per hour	\$220.00	
			\$220.00



PERSONAL SERVICES

Oil Spill
10-17-72

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Overtime Hrs.</u>	<u>Straight Pay</u>	<u>Overtime Pay (1½)</u>
Wayland, J	10	3.54	2	28.30	10.62
Brake, E	16	3.72	8	29.77	44.64
Brake, E. 10-18	8	"	0	29.77	--
Shepard, L.	15	3.54	7	28.30	37.17
Shepard, L. 10-18	8	"	0	28.30	--
Smith, W.	10	2.66	2	21.28	7.98
Foster, B.	15	3.37	7	26.94	35.39
Foster, B. 10-18	8	"	0	26.94	--
Smith, B.	16	4.10	8	32.83	49.25
Walsworth, L.	15	3.06	7	24.45	32.09
Walsworth, L. 10-18	8	"	0	24.45	--
Dummer, F.	10	3.54	2	28.30	10.62
Tate, D.	10	3.54	2	28.30	10.62
Hawkins, W.	8	4.10	0	32.83	--
Maxwell, J.	8	3.06	0	24.45	--
Rice, G.	8	3.72	0	29.77	--
Fetterhoff, J.	8	2.66	0	21.28	--
Weaver, K.	8	3.06	0	24.45	--
Bousman, P.	2	3.54	0	7.08	--
Cooper, L.	15	3.06	7	24.45	32.09
Cooper, L. 10-18	8	"	0	24.45	--
Melton, J.	6	4.10	0	24.62	--
Towe, R.	6	2.92	0	17.49	--
Cox, L.	18	4.76	10	38.04	71.33
Henderson, B.	18	4.99	10	39.96	74.93
Newman, F. 10-18	8	3.21	0	25.70	--
Foster, W.	5	5.52	0	27.60	--
Marshall, D.	6	3.72	0	22.32	--
Wilson, B.	6	3.91	0	23.46	--
Bengsch, H.	4	6.74	0	26.96	--
Corson, B.	16	3.21	8	25.68	38.52

Personal Services - Page -2-

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Overtime Hrs.</u>	<u>Straight Pay</u>	<u>Overtime Pay (1½)</u>
Lyman, R.	10	3.21	2	25.68	9.63
Criswell, H.	18	5.52	10	44.16	82.80

10-17 Man Hours----- 287

10-18 Man Hours----- 48

Total Man Hours 335

Total Ovt.Hrs 92

St. Pay-888.36 Ovt. -547.68

Total Personal Services \$1,436.04

EQUIPMENT COST

Oil Spill
10-17-72

	<u>Unit</u>	<u>Miles</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
10-17-72	T2-43	129		.14	18.06
	SP-76		2	4.50	9.00
	T2-29	106		.14	14.84
	T2-39	85		.14	11.90
	T2-10	49		.14	6.86
	T2-40	47		.14	6.58
	T2-25	84		.14	11.76
	T2-38	108		.14	15.12
	T2-47	93		.14	13.02
	T2-26	96		.14	13.44
	T2-2	62		.14	8.68
	SP-61		15	3.00	45.00
	T1-46	60		.08	4.80
	P1-80	15		.065	.98
	P1-48	60		.065	3.90
	P2-7	15		.08	1.20
	T1-48	10		.08	.80
	B.Wilson's Car	20		.12	2.40

10-18-72	T2-43	62		.14	8.68
	T2-29	57		.14	7.98
	SP-23		3	4.50	13.50
	SP-14		4	2.00	8.00

Equipment Cost, City Vehicles
and authorized mileage----- 226.50

Equipment Rental----- 220.00

Total Equipment Cost-----\$446.50

Cost, Straight Time Pay (243 Hours)	888.36	
Cost, Overtime Pay (92 Hours)	547.68	
Total Personal (335 Hours)		\$1,436.04
Equipment Cost (17 City Vehicles)	226.50	
Equipment Rental	220.00	
Total Equipment		446.50
Cost, Sawdust (40 Loads @ 10.00)	400.00	
Cost, Straw (75 Bales @ 0.85)	63.75	
Total Material Cost		463.75
Total		2,346.29
(This does not include cost to repair culvert)		